

ABSTRACT

An object of the invention is to provide a separator which is excellent in reliability and corrosion resistance, and to provide a method for manufacturing the separator which enhances productivity and realizes a high yield. The separator (1) has a separating section (13) for achieving separation between a hydrogen channel and an oxygen channel, and a sealing section disposed along an outer periphery of the separator, for preventing hydrogen and oxygen from leaking. In the separating section (13), on a metal thin sheet (30) is formed a resin layer (31) on which a gas channel is provided. The resin layer can be formed by a method of printing electrically conductive ink followed by hardening, or a method of treating an electrically conductive green sheet or electrically conductive slurry with a stamper molding followed by hardening.